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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/625,330	07/23/2003	Takahiro Tanaka	2562/69798/JPW/FHB	7771
75	90 07/27/2006		EXAMINER	
Cooper & Dunham LLP			COONEY, JOHN M	
1185 Avenue of the Americas New York, NY 10036			ART UNIT	PAPER NUMBER
,			1711	
			DATE MAILED: 07/27/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
		10/625,330	TANAKA, TAKAHIRO		
	Office Action Summary	Examiner	Art Unit		
· · · · · · · · · · · · · · · · · · ·		John m. Cooney	1711		
۔ Period fo	<ul> <li>The MAILING DATE of this communication app</li> <li>Reply</li> </ul>	ears on the cover sheet with the c	correspondence address		
WHIC - Extens after S - If NO - Failure Any re	PRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DATE is sions of time may be available under the provisions of 37 CFR 1.13 (SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing of patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status					
1)⊠	Responsive to communication(s) filed on 05 M	ay 2006.			
2a) <u></u> □	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
1	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.		
Dispositio	on of Claims				
5)□	Claim(s) 3-19 and 21 is/are pending in the app (a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 3-19 and 21 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.			
Application	on Papers				
10) 🗌 7	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority u	nder 35 U.S.C. § 119				
12)⊠ <i>A</i> a)∑	Acknowledgment is made of a claim for foreign All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau ee the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive I (PCT Rule 17.2(a)).	on No ed in this National Stage		
2) 🔲 Notice 3) 🔲 Inform	(s) of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Di 5) Notice of Informal F 6) Other:			

## Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5-5-06 has been entered.

The following rejections are maintained or set forth as new. All other rejections are withdrawn.

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3-19 and 21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claim limitation "...without accompanying an opening cells step, called healthy bubble,..." in combination with the limitation "...making cells intercommunicate to each other..." is confusing because the two limitations are in conflict with each other

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when the terminology "healthy bubble" is looked at in light of the supporting disclosure. "Healthy bubble" in the context of this invention is understood to mean the step of opening cells by destroying the membranes of the cells. That "healthy bubble", from the standpoint of claim interpretation, can be cell opening/membrane destruction through any means, it appears evident that by forming open-celled/intercommunicating celled blocks, by definition, employs the very operation, "healthy bubble" that applicants are claiming to avoid. It can not be determined, in the instant case, what cell opening/membrane destroying operations constitute "healthy bubble" and which ones do not.

Additionally, the term "healthy bubble" from the standpoint of claim interpretation can not be afforded the definition of "healthy bubble" proffered by applicants' supporting disclosure at page 7 bridging 8.

Applicants' amendments and arguments have been considered, but the conflict of these limitations is maintained to be evident and "healthy bubble" in the context of the current evidence of record is maintained to have the interpreted meaning indicated above.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 3-19 and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Maruyama et al.(4,264,743).

Maruyama et al. disclose preparations of flexible open-celled polyurethanes having low-air permeability and being formed from feedstock including polyols, isocyanates, catalysts, foaming agents, oxyalkylene-siloxane foam stabilizers, and hydrocarbon fluid compounds which read on the processes and products claimed(see column 4 line 17 - column 8 line 36, column 5 line 50-59, column 9 lines 20-29, and column 16 lines 64-65, as well as, the examples, and the entire document). Murayama et al. discloses ethylene oxide(EO)/propylene oxide(PO) and air permeability values meeting those of applicants' claims (see again, for example, column 7 lines 3-8, examples 1-6, and example 8, as well as, the entire document). Based on its disclosure of suitable operation over the full range of molecular weights values of applicants' claims (see column 6 lines 64-66, as well as, the full disclosure), it is held that Maruyama et al.'s disclosure readily envisions the molecular weight content values set forth by applicants' claims. Murayama et al. is further not seen to be limited to the disclosure of its illustrative examples.

Maruyama et al.'s formed products appear to have consistency in permeability values throughout the samples they test. Since difference is not seen in the products realized, it is seen that the ranges of variation of air permeability values now recited in applicants' claims are inherent to the teaching of Maruyama et al.

Applicants' arguments have been considered, but rejection is held to be proper for the reasons set forth above. Applicants' have not demonstrated association between the ranges of uniform, consistent, low-permeability values defined by the claims and the ranges of molecular weight values for the stabilizer component as defined by their claims, process limitations of their claims, and/or other compositional elements of their claims. Without such an association between the physical and process features of the claims and the ranges of qualitative values of the claims being demonstrated, examiner's position of inherency is not seen to fail.

As to the size of the blocks of Murayama et al., the claims of the instant invention do not distinguish based on block size. However, Murayama et al. does disclose the relevant thickness for testing of 10 mm thickness.

Murayama et al.'s disclosure of other means of open-cell formation which may differ from the cell-opening operations of applicants' claims {note: issues raised under 35 USC 112 2<sup>nd</sup> paragraph above} in some of their embodiments does not derogate from the teachings of Murayama et al. taken as a whole.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Cooney whose telephone number is 571-272-1070. The examiner can normally be reached on M-F from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck, can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).